



Industrial Engineering Summer Internship 2024

Company Information

SCITEK Consultants Ltd have been in business for 26 years, based in Derby. Our mission is to provide innovative R&D services to multiple industries to help develop and test our customers' products. Our past portfolio includes countless projects for key players in the Aerospace industry and we are now increasingly engaging in projects in renewable energy. We have a good reputation for delivering high quality work with a diverse range of technical knowledge. The successful candidate will therefore get the chance to work on exciting projects at the cutting edge of R&D.

Contract type

- 12 week summer placement
- Suitable for third or fourth year engineering students.
- Start Date: June/July 2024
- Competitive Salary

Overview of the Internship

Dependent on your areas of specialism, the placement role will involve (but is not limited to):

- Programming in LabVIEW and Python
- The mechanical design of components and system test rigs (using SOLIDWORKS)
- Solving mechanical design challenges
- Bringing concept requirements to life
- Flow & Heat transfer analysis
- FEA and frequency analysis

Exact details of projects are dependent on customer orders and can be shared nearer the start date.

Candidates can express a preference on an area to focus on during their placement. Project types and areas include, but are not limited to,

- spearheading the updates to released software and carrying out continuous testing on hardware to ensure the updates are robust,
- generating mechanical drawings for in service hardware,
- working independently and in a team to generate bespoke solutions to unique problems requiring CAD and FEA knowledge,
- carrying out electrical and mechanical design of rigs to meet UKCA and CE marking standards,
- developing image analysis tools to aid high tech repair of aerospace components,
- electrical design (and manufacture) of rig control and safety systems,
- streamlining internal coding processes by developing and deploying tools in LabVIEW,
- Software development to integrate hardware to a bespoke system or deploy onto PLCs and other control systems.



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Required Skills and Interests

- Mechanical Design
- CAD
- Programming

Any potential applicant should possess good practical and analytical skills. The student will work closely with very experienced engineers and be supported throughout the placement in order to bring their project to a good conclusion. The placement will therefore offer the applicant a valuable opportunity to be involved in fast-paced industrial projects as part of a vibrant and diverse research company gaining experience in a range of engineering areas.

Location

The placement will take place at our premises at 152 Victory Road, Derby, DE24 8EN

How to Apply

To apply please send your CV and cover letter by email to: zoe@scitekconsultants.co.uk

Interviews will take place via Microsoft Teams from the end of January 2024.

Security clearance will be required if the candidate is offered the role.

Number of Vacancies

1 or 2